

Title (en)

Generating a multi-layered geographic image and the use thereof

Title (de)

Erzeugung eines mehrschichtigen geografischen Bildes und dessen Verwendung

Title (fr)

Génération d'une image géographique multi-couche et son utilisation

Publication

EP 2428769 A3 20160921 (EN)

Application

EP 11174564 A 20110719

Priority

US 87740510 A 20100908

Abstract (en)

[origin: EP2428769A2] Systems, devices, features, and methods for generating and/or using a multi-layered image are disclosed. For example, a method of creating a multi-layered image from a three-dimensional model of a geographic area includes receiving three-dimensional graphical object data that represents a geographic area. The three-dimensional graphical object includes multiple geographic features. A first graphical layer of a first geographic feature of the three-dimensional graphical object is rendered as a first independent image layer. A second graphical layer of a second geographic feature of the three-dimensional graphical object is rendered as a second independent image layer. The first graphical layer and the second graphical layer are combined or overlaid to form the multi-layered image. Also, removal of layers may occur in a reverse order of their creation and/or may avoid causing gaps within the other layers not removed.

IPC 8 full level

G01C 21/32 (2006.01); **G06F 17/30** (2006.01); **G09B 29/10** (2006.01)

CPC (source: EP US)

G01C 21/3638 (2013.01 - EP US); **G01C 21/3826** (2020.08 - EP US); **G01C 21/3848** (2020.08 - EP US); **G01C 21/3867** (2020.08 - EP US); **G01C 21/3878** (2020.08 - EP US); **G06F 16/29** (2018.12 - EP US); **G06T 15/00** (2013.01 - US); **G06T 17/05** (2013.01 - EP US); **G09B 29/007** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2428769 A2 20120314; **EP 2428769 A3 20160921**; **EP 2428769 B1 20211103**; CN 102402797 A 20120404; CN 102402797 B 20160907; US 2012056899 A1 20120308; US 2014204085 A1 20140724; US 8723886 B2 20140513; US 9508184 B2 20161129

DOCDB simple family (application)

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